

generally foreign molecules, they similarly trigger the immune reaction and decrease the effectiveness of the therapy.

**In the Claims:**

Please amend the following claims as shown in the marked-up version of the changes made to the claims and a Clean Set of Claims attached hereto:

613 22. An antibody characterized by having binding affinity to a sperm cell, wherein a sperm cell bound with the antibody retains the ability to fertilize an oocyte.

613 24. The antibody in claim 22 wherein the sperm cell is selected from the group consisting of a mouse sperm cell, a bovine sperm cell, a pig sperm cell, a chicken sperm cell, a sheep sperm cell, and a goat sperm cell.

25. The antibody in claim 22 wherein the binding affinity to sperm cells is further characterized by the ability to bind to the sperm cells from a plurality of species of animal.

26. The antibody in claim 22 also exhibiting binding properties to a polynucleotide such that upon fertilization, the polynucleotide is introduced into the oocyte.

A CLEAN SET OF CLAIMS

22. An antibody characterized by having binding affinity to a sperm cell, wherein a sperm cell bound with the antibody retains the ability to fertilize an oocyte.
23. The antibody in claim 22 wherein the sperm cell is a human sperm cell.
24. The antibody in claim 22 wherein the sperm cell is selected from the group consisting of a mouse sperm cell, a bovine sperm cell, a pig sperm cell, a chicken sperm cell, a sheep sperm cell, and a goat sperm cell.
25. The antibody in claim 22 wherein the binding affinity to sperm cells is further characterized by the ability to bind to the sperm cells from a plurality of species of animal.
26. The antibody in claim 22 also exhibiting binding properties to a polynucleotide such that upon fertilization, the polynucleotide is introduced into the oocyte.